

*See short for case*

001

5/3/06

TO: Ms. Patricia Booker, PCT DO/EO  
FROM: Anne-Marie Corrigan, STIC

Per your request, please find copy of non-errored raw sequence listing for 10/516558.

Please contact me if you have any questions.

Thank you.

Total pages (including cover sheet): 9

*re-run***RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/516,558A  
Source: PCF  
Date Processed by STIC: 3/9/06

***ENTERED***

*re-new*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/516,558A

DATE: 05/03/2006  
TIME: 15:20:20

Input Set : A:\3190-070 Sequence Listing.txt  
Output Set: N:\CRF4\05032006\J516558A.raw

3 <110> APPLICANT: Chano, Tokuhiro  
 4 Okabe, Hidetoshi  
 5 Ikegawa, Shiro  
 7 <120> TITLE OF INVENTION: RB1 gene induced protein (RB1CC1) and gene  
 9 <130> FILE REFERENCE: 3190-070  
 11 <140> CURRENT APPLICATION NUMBER: US 10/516,558A  
 12 <141> CURRENT FILING DATE: 2004-11-30  
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP03/00882  
 16 <151> PRIOR FILING DATE: 2003-01-30  
 17 <150> PRIOR APPLICATION NUMBER: JP P2002-161400  
 18 <151> PRIOR FILING DATE: 2002-06-03  
 20 <150> PRIOR APPLICATION NUMBER: JP P2002-214978  
 21 <151> PRIOR FILING DATE: 2002-07-24  
 23 <160> NUMBER OF SEQ ID NOS: 132  
 25 <170> SOFTWARE: PatentIn version 3.1  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 1594  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Unknown  
 32 <220> FEATURE:  
 33 <223> OTHER INFORMATION: human RB1CC1  
 35 <400> SEQUENCE: 1  
 37 Met Lys Leu Tyr Val Phe Leu Val Asn Thr Gly Thr Thr Leu Thr Phe  
 38 1 5 10 15  
 41 Asp Thr Glu Leu Thr Val Gln Thr Val Ala Asp Leu Lys His Ala Ile  
 42 20 25 30  
 45 Gln Ser Lys Tyr Lys Ile Ala Ile Gln His Gln Val Leu Val Val Asn  
 46 35 40 45  
 49 Gly Gly Glu Cys Met Ala Ala Asp Arg Arg Val Cys Thr Tyr Ser Ala  
 50 50 55 60  
 53 Gly Thr Asp Thr Asn Pro Ile Phe Leu Phe Asn Lys Glu Met Ile Leu  
 54 65 70 75 80  
 57 Cys Asp Arg Pro Pro Ala Ile Pro Lys Thr Thr Phe Ser Thr Glu Asn  
 58 85 90 95  
 61 Asp Met Glu Ile Lys Val Glu Ser Leu Met Met Pro Ala Val Phe  
 62 100 105 110  
 65 His Thr Val Ala Ser Arg Thr Gln Leu Ala Leu Glu Met Tyr Glu Val  
 66 115 120 125  
 69 Ala Lys Lys Leu Cys Ser Phe Cys Glu Gly Leu Val His Asp Glu His  
 70 130 135 140  
 73 Leu Gln His Gln Gly Trp Ala Ala Ile Met Ala Asn Leu Glu Asp Cys  
 74 145 150 155 160  
 77 Ser Asn Ser Tyr Gln Lys Leu Leu Phe Lys Phe Glu Ser Ile Tyr Ser

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78	165	170	175
81	Asn Tyr Leu Gln Ser Ile Glu Asp Ile Lys Leu Lys Leu Thr His Leu		
82	180	185	190
85	Gly Thr Ala Val Ser Val Met Ala Lys Ile Pro Leu Leu Glu Cys Leu		
86	195	200	205
89	Thr Arg His Ser Tyr Arg Glu Cys Leu Gly Arg Leu Asp Ser Leu Pro		
90	210	215	220
93	Glu His Glu Asp Ser Glu Lys Ala Glu Thr Lys Arg Ser Thr Glu Leu		
94	225	230	235
97	Val Leu Ser Pro Asp Met Pro Arg Thr Thr Asn Glu Ser Leu Leu Thr		
98	245	250	255
101	Ser Phe Pro Lys Ser Val Glu His Val Ser Pro Asp Thr Ala Asp Ala		
102	260	265	270
105	Glu Ser Gly Lys Glu Ile Arg Glu Ser Cys Gln Ser Thr Val His Gln		
106	275	280	285
109	Gln Asp Glu Thr Thr Ile Asp Thr Lys Asp Gly Asp Leu Pro Phe Phe		
110	290	295	300
113	Asn Val Ser Leu Leu Asp Trp Ile Asn Val Gln Asp Arg Pro Asn Asp		
114	305	310	315
117	Val Glu Ser Leu Val Arg Lys Cys Phe Asp Ser Met Ser Arg Leu Asp		
118	325	330	335
121	Pro Arg Ile Ile Arg Pro Phe Ile Ala Glu Cys Arg Gln Thr Ile Ala		
122	340	345	350
125	Lys Leu Asp Asn Gln Asn Met Lys Ala Ile Lys Gly Leu Glu Asp Arg		
126	355	360	365
128	Leu Tyr Ala Leu Asp Gln Met Ile Ala Ser Cys Gly Arg Leu Val Asn		
129	370	375	380
132	Glu Gln Lys Glu Leu Ala Gln Gly Phe Leu Ala Asn Gln Lys Arg Ala		
133	385	390	395
136	Glu Asn Leu Lys Asp Ala Ser Val Leu Pro Asp Leu Cys Leu Ser His		
137	405	410	415
140	Ala Asn Gln Leu Met Ile Met Leu Gln Asn His Arg Lys Leu Leu Asp		
141	420	425	430
144	Ile Lys Gln Lys Cys Thr Thr Ala Lys Gln Glu Leu Ala Asn Asn Leu		
145	435	440	445
148	His Val Arg Leu Lys Trp Cys Cys Phe Val Met Leu His Ala Asp Gln		
149	450	455	460
152	Asp Gly Glu Lys Leu Gln Ala Leu Leu Arg Leu Val Ile Glu Leu Leu		
153	465	470	475
156	Glu Arg Val Lys Ile Val Glu Ala Leu Ser Thr Val Pro Gln Met Tyr		
157	485	490	495
160	Cys Leu Ala Val Val Glu Val Val Arg Arg Lys Met Phe Ile Lys His		
161	500	505	510
164	Tyr Arg Glu Trp Ala Gly Ala Leu Val Lys Asp Gly Lys Arg Leu Tyr		
165	515	520	525
166	Glu Ala Glu Lys Ser Lys Arg Glu Ser Phe Gly Lys Leu Phe Arg Lys		
169	530	535	540
172	Ser Phe Leu Arg Asn Arg Leu Phe Arg Gly Leu Asp Ser Trp Pro Pro		
173	545	550	555

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/516,558A

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Input Set : A:\3190-070 Sequence Listing.txt  
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176 Ser Phe Cys Thr Gln Lys Pro Arg Lys Phe Asp Cys Glu Leu Pro Asp  
 177 565 570 575  
 178 Ile Ser Leu Lys Asp Leu Gln Phe Leu Gln Ser Phe Cys Pro Ser Glu  
 179 580 585 590  
 180 Val Gln Pro Phe Leu Arg Val Pro Leu Leu Cys Asp Phe Glu Pro Leu  
 181 595 600 605  
 182 His Gln His Val Leu Ala Leu His Asn Leu Val Lys Ala Ala Gln Ser  
 183 610 615 620  
 184 Leu Asp Glu Met Ser Gln Thr Ile Thr Asp Leu Leu Ser Glu Gln Lys  
 185 625 630 635 640  
 186 Ala Ser Val Ser Gln Thr Ser Pro Gln Ser Ala Ser Ser Pro Arg Met  
 187 645 650 655  
 188 Glu Ser Thr Ala Gly Ile Thr Thr Ser Pro Arg Thr Pro Pro  
 189 660 665 670  
 190 Pro Leu Thr Val Gln Asp Pro Leu Cys Pro Ala Val Cys Pro Leu Glu  
 191 675 680 685  
 192 Leu Asp Ser Ala Glu Ser Pro Glu Ser Asp Phe Met Ser Ala Val  
 193 690 695 700  
 194 Ile Pro His Pro Asn Ile Glu Gln Thr Ile His Gln Val Ser Leu Asp  
 195 705 710 715 720  
 196 Leu Asp Ser Leu Ala Glu Ser Pro Glu Ser Asp Phe Met Ser Ala Val  
 197 725 730 735  
 198 Asn Glu Phe Val Ile Glu Glu Asn Leu Ser Ser Pro Asn Pro Ile Ser  
 199 740 745 750  
 200 Asp Pro Gln Ser Pro Glu Met Met Val Glu Ser Leu Tyr Ser Ser Val  
 201 755 760 765  
 202 Ile Asn Ala Ile Asp Ser Arg Arg Met Gln Asp Thr Asn Val Cys Gly  
 203 770 775 780  
 204 Lys Glu Asp Phe Gly Asp His Thr Ser Leu Asn Val Gln Leu Glu Arg  
 205 785 790 795 800  
 206 Cys Arg Val Val Ala Gln Asp Ser His Phe Ser Ile Gln Thr Ile Lys  
 207 805 810 815  
 208 Glu Asp Leu Cys His Phe Arg Thr Phe Val Gln Lys Glu Gln Cys Asp  
 209 820 825 830  
 210 Phe Ser Asn Ser Leu Lys Cys Thr Ala Val Glu Ile Arg Asn Ile Ile  
 211 835 840 845  
 212 Glu Lys Val Lys Cys Ser Leu Glu Ile Thr Leu Lys Glu Lys His Gln  
 213 850 855 860  
 214 Lys Glu Leu Leu Ser Leu Lys Asn Glu Tyr Glu Gly Lys Leu Asp Gly  
 215 865 870 875 880  
 216 Leu Ile Lys Glu Thr Glu Glu Asn Glu Asn Lys Ile Lys Lys Leu Lys  
 217 885 890 895  
 218 Gly Glu Leu Val Cys Leu Glu Glu Val Leu Gln Asn Lys Asp Asn Glu  
 219 900 905 910  
 220 Phe Ala Leu Val Lys His Glu Lys Glu Ala Val Ile Cys Leu Gln Asn  
 221 915 920 925  
 222 Glu Lys Asp Gln Lys Leu Leu Glu Met Glu Asn Ile Met His Ser Gln  
 223 930 935 940  
 224 Asn Cys Glu Ile Lys Glu Leu Lys Gln Ser Arg Glu Ile Val Leu Glu  
 225

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/516,558ADATE: 05/03/2006  
TIME: 15:20:20Input Set : A:\3190-070 Sequence Listing.txt  
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271	945	950	955	960
274	Asp	Leu	Lys	Lys
		Leu	His	Val
		Glu	Asn	Asp
			Glu	Lys
			Leu	Gln
			Leu	Leu
275		965	970	975
278	Arg	Ala	Glu	Leu
		Gln	Ser	Glu
			Gln	Ser
			His	Leu
			Lys	Glu
279		980	985	990
282	Asp	Thr	Leu	Gln
		Val	Arg	His
			Ile	Gln
			Glu	Phe
			Glu	Lys
			Val	Met
283		995	1000	1005
286	Asp	His	Arg	Val
			Ser	Leu
			Glu	Glu
			Leu	Lys
			Glu	Asn
			Gln	Gln
287		1010	1015	1020
290	Ile	Ile	Asn	Gln
		Ile	Gln	Glu
			Glu	Ser
			His	Ala
			Glu	Ile
			Gln	Glu
291		1025	1030	1035
294	Lys	Glu	Lys	Gln
		Gln	Leu	Gln
			Glu	Leu
			Lys	Lys
			Leu	Val
			Ser	Asp
			Leu	
295		1040	1045	1050
298	Ser	Asp	Thr	Arg
			Cys	Lys
			Leu	Glu
			Val	Glu
			Leu	Ala
			Lys	Glu
299		1055	1060	1065
302	Ala	Glu	Thr	Asp
		Glu	Ile	Lys
			Ile	Leu
			Leu	Glu
			Glu	Ser
			Arg	Arg
303		1070	1075	1080
306	Gln	Gln	Lys	Glu
			Thr	Leu
			Lys	Ser
			Leu	Leu
			Glu	Gln
307		1085	1090	1095
310	Asn	Leu	Arg	Thr
		Glu	Glu	Ile
			Ser	Ser
			Lys	Leu
			Asn	Gln
			Lys	Ile
311		1100	1105	1110
314	Asn	Asn	Glu	Asn
			Tyr	Gln
			Val	Gly
			Leu	Ala
			Glu	Glu
			Ser	Leu
			Asn	Leu
315		1115	1120	1125
317	Met	Thr	Ile	Glu
			Lys	Asp
			Gln	Arg
			Ile	Ser
			Glu	Leu
			Ser	Ile
			Arg	Ser
318		1130	1135	1140
321	His	Glu	Glu	Glu
			Ser	Asn
			Asn	Ile
			Ile	Leu
			Lys	Glu
322		1145	1150	1155
325	Thr	Ser	Leu	His
			Asn	Gln
			Ala	Phe
			Glu	Ile
			Glu	Lys
			Asn	Asn
			Leu	Leu
326		1160	1165	1170
329	Glu	Gln	Ile	Ile
		Glu	Glu	Glu
			Leu	Leu
			Glu	Asn
			Asn	Lys
330		1175	1180	1185
333	Ala	Leu	Glu	Arg
		Gln	Gln	Gln
			Lys	Asp
			Glu	Lys
			Ile	Thr
			Gln	Gln
			Glu	Glu
334		1190	1195	1200
337	Lys	Tyr	Glu	Ala
			Ile	Ile
			Gln	Glu
			Asn	Leu
			Glu	Lys
			Asp	Asp
				Arg
				Gln
				Lys
338		1205	1210	1215
341	Leu	Val	Ser	Ser
			Gln	Gln
			Glu	Asp
			Gln	Arg
			Leu	Glu
			Ile	Gln
			Lys	Lys
342		1220	1225	1230
345	Leu	Asn	Cys	Glu
			Glu	Ala
				Ile
				Gln
				Thr
				Ala
				Leu
				Lys
346		1235	1240	1245
349	Phe	Lys	Leu	Glu
			Arg	Glu
			Glu	Val
			Val	Glu
			Lys	Glu
			Leu	Leu
			Glu	Lys
350		1250	1255	1260
353	Val	Lys	His	Leu
			Glu	Glu
			Asn	Ile
			Gln	Lys
				Ser
				Pro
				Ala
				Ile
				Asp
354		1265	1270	1275
357	Ser	Thr	Arg	Gly
			Asp	Ser
			Ser	Ser
			Leu	Val
			Ala	Glu
			Glu	Leu
			Gln	Glu
358		1280	1285	1290
361	Lys	Leu	Gln	Glu
			Glu	Glu
				Lys
				Asn
				Val
				Arg
				Thr
				Ser
362		1295	1300	1305
365	Gln	Glu	Lys	Arg
			Arg	Lys
			Lys	Asn
			Glu	Glu
			Met	Gln
			Gln	Asn
			Asn	Val
			Val	Arg
366		1310	1315	1320

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Input Set : A:\3190-070 Sequence Listing.txt  
Output Set: N:\CRF4\05032006\J516558A.raw

369 Leu Ile Ala Glu Gln Gln Thr Asn Phe Asn Thr Val Leu Thr Arg  
370 1325 1330 1335  
373 Glu Lys Met Arg Lys Glu Asn Ile Ile Asn Asp Leu Ser Asp Lys  
374 1340 1345 1350  
377 Leu Lys Ser Thr Met Gln Gln Glu Arg Asp Lys Asp Leu Ile  
378 1355 1360 1365  
381 Glu Ser Leu Ser Glu Asp Arg Ala Arg Leu Leu Glu Glu Lys Lys  
382 1370 1375 1380  
385 Lys Leu Glu Glu Glu Val Ser Lys Leu Arg Ser Ser Phe Val  
386 1385 1390 1395  
389 Pro Ser Pro Tyr Val Ala Thr Ala Pro Glu Leu Tyr Gly Ala Cys  
390 1400 1405 1410  
393 Ala Pro Glu Leu Pro Gly Glu Ser Asp Arg Ser Ala Val Glu Thr  
394 1415 1420 1425  
397 Ala Asp Glu Gly Arg Val Asp Ser Ala Met Glu Thr Ser Met Met  
398 1430 1435 1440  
401 Ser Val Gln Glu Asn Ile His Met Leu Ser Glu Glu Lys Gln Arg  
402 1445 1450 1455  
405 Ile Met Leu Leu Glu Arg Thr Leu Gln Leu Lys Glu Glu Glu Asn  
406 1460 1465 1470  
409 Lys Arg Leu Asn Gln Arg Leu Met Ser Gln Ser Met Ser Ser Val  
410 1475 1480 1485  
413 Ser Ser Arg His Ser Glu Lys Ile Ala Ile Arg Asp Phe Gln Val  
414 1490 1495 1500  
417 Gly Asp Leu Val Leu Ile Ile Leu Asp Glu Arg His Asp Asn Tyr  
418 1505 1510 1515  
421 Val Leu Phe Thr Val Ser Pro Thr Leu Tyr Phe Leu His Ser Glu  
422 1520 1525 1530  
425 Ser Leu Pro Ala Leu Asp Leu Lys Pro Gly Glu Gly Ala Ser Gly  
426 1535 1540 1545  
429 Ala Ser Arg Arg Pro Trp Val Leu Gly Lys Val Met Glu Lys Glu  
430 1550 1555 1560  
433 Tyr Cys Gln Ala Lys Lys Ala Gln Asn Arg Phe Lys Val Pro Leu  
434 1565 1570 1575  
437 Gly Thr Lys Phe Tyr Arg Val Lys Ala Val Ser Trp Asn Lys Lys  
438 1580 1585 1590  
441 Val  
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447 <211> LENGTH: 1588  
448 <212> TYPE: PRT  
449 <213> ORGANISM: Unknown  
451 <220> FEATURE:  
452 <223> OTHER INFORMATION: mouse Rb1cc1  
454 <400> SEQUENCE: 2  
456 Met Lys Leu Tyr Val Phe Leu Val Asn Thr Gly Thr Thr Leu Thr Phe  
457 1 5 10 15  
460 Asp Thr Glu Leu Thr Val Gln Thr Val Ala Asp Leu Lys His Ala Ile  
461 20 25 30  
464 Gln Ser Lys Tyr Lys Ile Ala Ile Gln His Gln Val Leu Val Val Asn

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/03/2006  
PATENT APPLICATION: US/10/516,558A TIME: 15:20:21

Input Set : A:\3190-070 Sequence Listing.txt  
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Invalid <213> Response:  
Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.  
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Seq#:31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54  
Seq#:55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78  
Seq#:79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101  
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VERIFICATION SUMMARY  
PATENT APPLICATION:

DATE: 05/03/2006  
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Input Set : A:\3190-070 Sequence Listing.txt  
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